

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

1 -4. (Cancelled)

5. (Currently amended) An untethered, active instrument for determining a position in a navigation system that assists in surgical operations, comprising a power supply including one or more solar cells;

one or more light sources, which are powered by the power supply and allow for the determination of the position of the active instrument; and

a wireless communication device that is powered by the power supply and allows for communication between the active instrument and the navigation system.

6. (Previously presented) The untethered, active instrument of claim 5 further comprising a buffer storage unit, which is interfaced with and buffers the power supply, wherein the one or more solar cells charge the buffer storage unit.

7. (Previously presented) The untethered, active instrument of claim 6 further comprising one or more light sources, which are powered by the power supply and allow for the determination of the position of the active instrument.

8. (Previously presented) The untethered, active instrument of claim 6 further comprising a wireless communication device that is powered by the power supply and allows for communication between the active instrument and the navigation system.

9. (Previously presented) The untethered, active instrument of claim 8 further comprising one or more light sources, which are powered by the power supply and allow for the determination of the position of the active instrument.

10-11. (Cancelled)

12. (Previously presented) The untethered, active instrument of claim 5 further comprising a wireless communication device that is powered by the power supply and allows for communication between the active instrument and the navigation system.

13. (Previously presented) The untethered, active instrument of claim 12 wherein the wireless communication device is an infrared interface for data transfer.

14. (Previously presented) An untethered, active instrument for determining a position in a navigation system that assists in surgical operations, comprising:
a power supply including one or more solar cells;
one or more light sources, which are powered by the power supply and allow for the determination of the position of the active instrument; and
an infrared interface that is powered by the power supply and allows for data communication between the active instrument and the navigation system.

15 (Previously presented) The untethered, active instrument of claim 14 further comprising a buffer storage unit, which is interfaced with and buffers the power supply, wherein the one or more solar cells charge the buffer storage unit.

16. (Previously presented) An untethered, active instrument for determining a position in a navigation system that assists in surgical operations, comprising:
a power supply including one or more solar cells;

a buffer storage unit, which is interfaced with and buffers the power supply,
wherein the one or more solar cells charge the buffer storage unit;

one or more light sources, which are powered by the power supply and allow for
the determination of the position of the active instrument; and

an infrared interface that is powered by the power supply and allows for data
communication between the active instrument and the navigation system.